eSourceBook
Your source for Ford product info

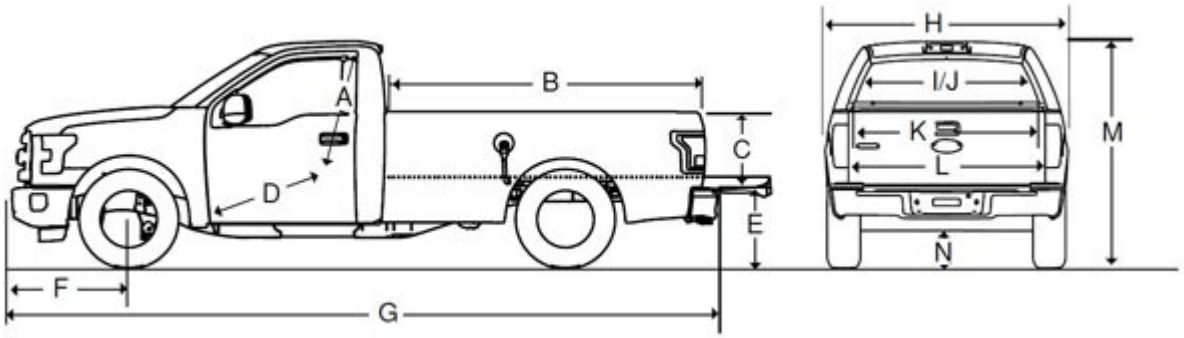
Specs

2019 F-150

Use the menu on the left — or the menu button on your smartphone — to select and view information related to wheels, exterior colors and interior trim. Key product specifications include vehicle dimensions and capacities, detailed engine information, transmission gear ratios and more.

Regular Cab Dimensions

2019 F-150



Drive		4x2		4x4	
Cargo Box (ft.)		6.5	8.0	6.5	8.0
Wheelbase (in.)		122.4	141.1	122.4	141.1
Code	Description (in.)				
A	Head Room	40.8	40.8	40.8	40.8
B	Inside Length(1) (at floor)	78.9	97.6	78.9	97.6
C	Inside Height(1)	21.4	21.4	21.4	21.4
D	Leg Room (maximum)	43.9	43.9	43.9	43.9
E	Open Tailgate to Ground (Empty)(2)	34.7	34.8	36.9	36.5
F	Front Overhang	37.8	37.8	37.8	37.8
G	Overall Length	209.3	227.9	209.3	227.9
H	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9
I	Shoulder Room	66.7	66.7	66.7	66.7
J	Hip Room	62.5	62.5	62.5	62.5
K	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6
L	Max. Load Width(1) (at floor)	65.2	65.2	65.2	65.2
M	Cab Height (Empty)(2)	75.5	75.1	76.9	76.9
N	Ground Clearance	8.8	8.6	9.4	9.4

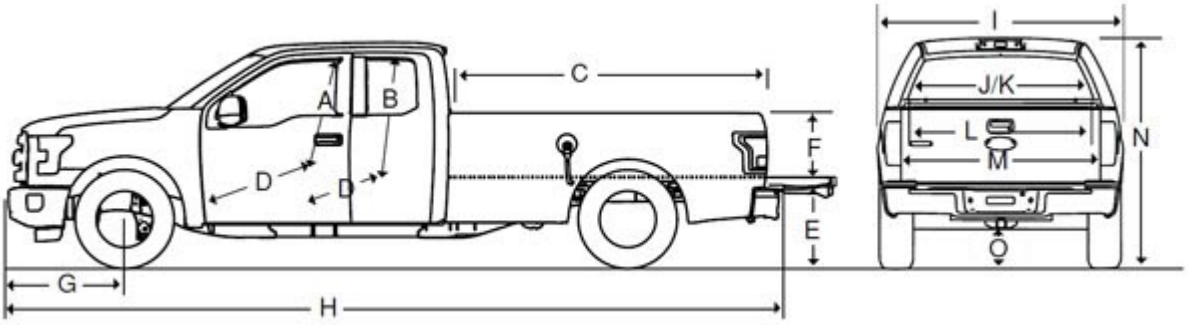
(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

SuperCab Dimensions

2019 F-150



Drive		4x2		4x4	
Cargo Box (ft.)		6.5	8.0	6.5	8.0
Wheelbase (in.)		145.0	163.7	145.0	163.7
Code	Description (in.)				
A	Head Room (Front)	40.8	40.8	40.8	40.8
B	Head Room (Rear)	40.3	40.3	40.3	40.3
C	Inside Length(1) (at floor)	78.9	97.6	78.9	97.6
D	Leg Room (Front) (maximum)	43.9	43.9	43.9	43.9
	Leg Room (Rear)	33.5	33.5	33.5	33.5
E	Open Tailgate to Ground (Empty)(2)	34.1	34.5	35.9	35.7
F	Inside Height(1)	21.4	21.4	21.4	21.4
G	Front Overhang	37.8	37.8	37.8	37.8
H	Overall Length	231.9	250.5	231.9	250.5
I	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9
J	Shoulder Room (Front)	66.7	66.7	66.7	66.7
	Shoulder Room (Rear)	65.8	65.8	65.8	65.8
K	Hip Room (Front)	62.5	62.5	62.5	62.5
	Hip Room (Rear)	64.7	64.7	64.7	64.7
L	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6
M	Max. Load Width(1) (at floor)	65.2	65.2	65.2	65.2
N	Cab Height (Empty)(2)	75.5	75.5	77.2	77.0
O	Ground Clearance	8.7	8.7	9.4	9.3

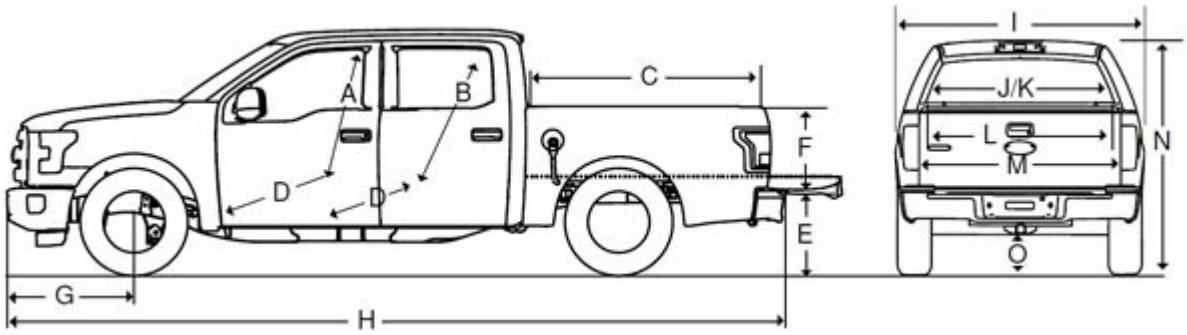
(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

SuperCrew Dimensions

2019 F-150



Drive		4x2		4x4	
Cargo Box (ft.)		5.5	6.5	5.5	6.5
Wheelbase (in.)		145.0	156.8	145.0	156.8
Code	Description (in.)				
A	Head Room (Front)	40.8	40.8	40.8	40.8
B	Head Room (Rear)	40.4	40.4	40.4	40.4
C	Inside Length(1) (at floor)	67.1	78.9	67.1	78.9
D	Leg Room (Front) (maximum)	43.9	43.9	43.9	43.9
	Leg Room (Rear)	43.6	43.6	43.6	43.6
E	Open Tailgate to Ground (Empty)(2)	34.0	34.6	35.7	36.1
F	Inside Height(1)	21.4	21.4	21.4	21.4
G	Front Overhang	37.8	37.8	37.8	37.8
H	Overall Length	231.9	243.7	231.9	243.7
I	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9
J	Shoulder Room (Front)	66.7	66.7	66.7	66.7
	Shoulder Room (Rear)	65.9	65.9	65.9	65.9
K	Hip Room (Front)	62.5	62.5	62.5	62.5
	Hip Room (Rear)	64.7	64.7	64.7	64.7
L	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6
M	Max. Load Width(1) (at floor)	65.2	65.2	65.2	65.2
N	Cab Height (Empty)(2)	75.6	75.7	77.2	77.3
O	Ground Clearance	8.5	8.4	9.4	9.3

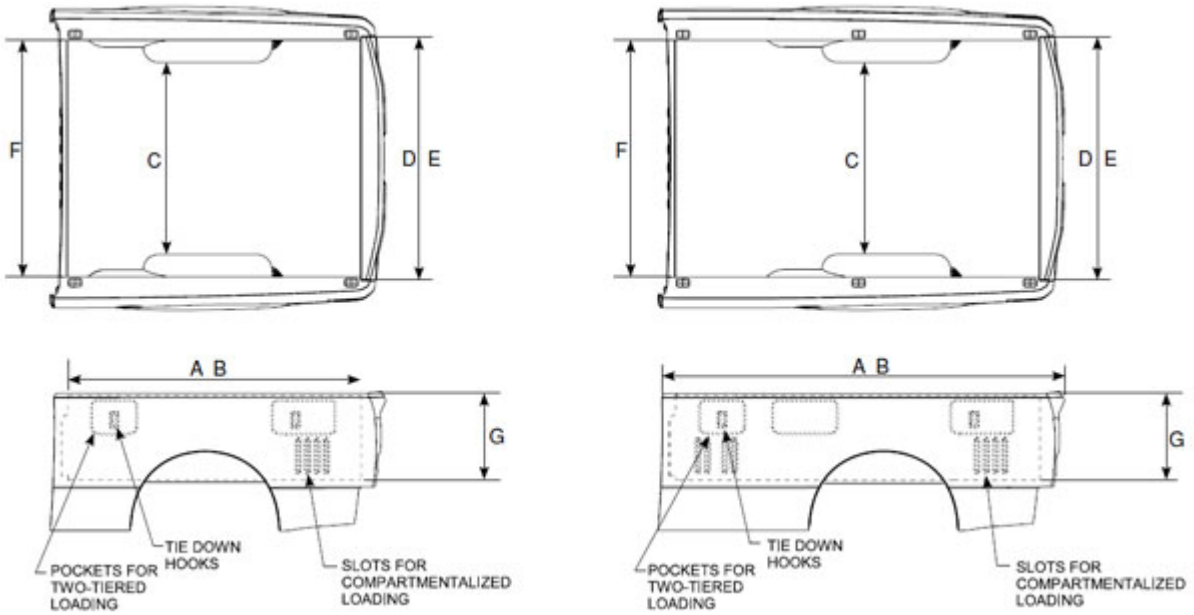
(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Pickup Box Dimensions

2019 F-150



Box Size (ft.)		5.5(1)	6.5(2)	8.0(3)
Code	Description (in.)			
A	Cargo Box Inside Length @ Floor	67.1	78.9	97.6
B	Cargo Box Length @ Top	65.4	77.2	95.9
C	Cargo Width @ Wheelhouse	50.6	50.6	50.6
D	Rear Opening Width @ Floor	60.3	60.3	60.3
E	Rear Opening Width @ Top	60.3	60.3	60.3
F	Cargo Body Maximum Inside Width	65.2	65.2	65.2
G	Cargo Body Height with Molding	21.4	21.4	21.4
	Cargo Box Volume(4)	52.8	62.3	77.4

(1) On 145.0" wheelbase SuperCrew.

(2) On 122.4" wheelbase Regular Cab, 145.0" wheelbase SuperCab and 156.8" wheelbase SuperCrew.

(3) On 141.1" wheelbase Regular Cab and 163.7" wheelbase SuperCab.

(4) Does not include allowances for wheelhouses.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Interior Volume

2019 F-150

Regular Cab

Cab Position	Volume (cu. ft.)
Front Passenger	64.6
Cargo Volume Behind First Row	12.1

SuperCab

Cab Position	Volume (cu. ft.)	
	6.5-ft. box	8.0-ft. box
Front Passenger	64.6	64.6
Rear Passenger	51.4	51.4
Total Passenger	116.0	116.0
Cargo Volume Behind First Row Rear-seat Cushion Folded Up	31.6	31.6

SuperCrew

Cab Position	Volume (cu. ft.)	
	5.5-ft. box	6.5-ft. box
Front Passenger	64.6	64.6
Rear Passenger	67.1	67.1
Total Passenger	131.8	131.8
Cargo Volume Behind First Row Rear-seat Cushion Folded Up	51.9	51.9

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Fuel Tank Capacity

2019 F-150

Regular Cab

Wheelbase (in.)	Location	Capacity (gallons)	
		Standard	Available
122.4 (4x2/4x4)	Midship	23.0	—
141.1 (4x2/4x4)	Midship	23.0	36.0

SuperCab

Wheelbase (in.)	Location	Capacity (gallons)	
		Standard	Available
145.0 (4x2/4x4)	Midship	23.0	36.0
163.7 (4x2/4x4)	Midship	23.0	36.0

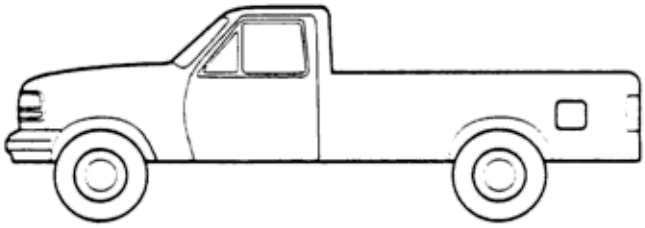
SuperCrew

Wheelbase (in.)	Location	Capacity (gallons)	
		Standard	Available
145.0 (4x2/4x4)	Midship	26.0	36.0
156.8 (4x2/4x4)	Midship	26.0	36.0

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Accessory Reserve Capacity (ARC) Calculation

2019 F-150



This section provides the information needed to calculate the effect that vehicle options have on the payload capacity of Ford light trucks.

This information is useful to customers who plan to add aftermarket accessories or haul cargo at or near the vehicle's maximum capacity.

This section includes charts for each series, listing the maximum allowable weights for each GVWR.

Accessory Reserve Capacity

You can help prospective buyers estimate the total weight of accessories, equipment and modifications that may be added to the completed vehicle.

Ford vehicles are certified for compliance with the following FMVSS (Federal Motor Vehicle Safety Standards) or CMVSS (Canadian Motor Vehicle Safety Standards):(1)

- 204 — Steering Column Rearward Displacement
- 208 — Occupant Crash Protection
- 212 — Windshield Mounting
- 219 — Windshield Zone Intrusion
- 301 — Fuel System Integrity
- 303 — CNG Fuel System Integrity (Canadian Standard 301.2)

The total added accessory weight must not exceed the allowable weight shown in the tables. You should make retail customers who intend to modify or install accessories or equipment aware of this fact.

If the modification or installation of accessories or equipment causes the unloaded weight of the vehicle, as revised with the added equipment, to exceed the test vehicle weight, the U.S. vehicle alterer(2) may be responsible to certify the altered vehicle according to Title 49, Code of Federal Regulations 567.7 and 568.8. A Canadian vehicle alterer may be responsible to certify the altered vehicle according to Section 6 of the Canadian Motor Vehicle Safety Regulations.

In this section, each vehicle has a worksheet that addresses Total Accessory Reserve Capacity only. It does not consider Front Axle Accessory Reserve Capacity and does not include DSO option weights in the calculations.

(1) Ford Motor Company's certification of compliance with FMVSS/CMVSS is based on specific vehicle test weights. These standards are applicable to completed vehicles of 10,000-lb. GVWR or less. Maximum allowable weights shown in the tables for vehicles above 10,000-lb. GVWRs are maximum recommended values for optimum performance, durability and customer satisfaction.

(2) The same procedure to estimate the "Total Accessory Reserve Capacity" is recommended to completed vehicle alterers in Canada.

To approximate the amount of accessory equipment or modification weight that can be added to a Ford light truck without exceeding the test vehicle weight, calculate an estimated Total Accessory Reserve Capacity as follows:

1. Determine the "Total Actual Regular Production Option Content Weight" of the desired regular production options from the corresponding Accessory Reserve Capacity Calculation/Worksheet on the following page.

2. Subtract the “Total Actual Regular Production Option Content Weight” from the “Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)” for the appropriate model. The difference is the estimated “Total Accessory Reserve Capacity.”

	Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)
–	**Total Actual Regular Production Option Content Weight**
=	**Total Accessory Reserve Capacity**

(See Accessory Reserve Capacity (ARC) Calculation/Worksheet for example.)

Warning: The Accessory Reserve Capacity weight information addresses FMVSS and CMVSS Nos. 204, 208, 212, 219, 301 and 303 compliance only. For all light-duty trucks with a GVW rating under 8500 lbs., federally certified trucks with a GVW rating of 8500 to 10,000 lbs. that are optionally emission certified to light-duty standards and all California complete vehicles with a GVW rating of 14,000 lbs. or less, if more than 500 lbs. is added to the vehicle’s “maximum vehicle weight,”(1) the modifier may be responsible for recertification to the applicable EPA or CARB emissions standards.

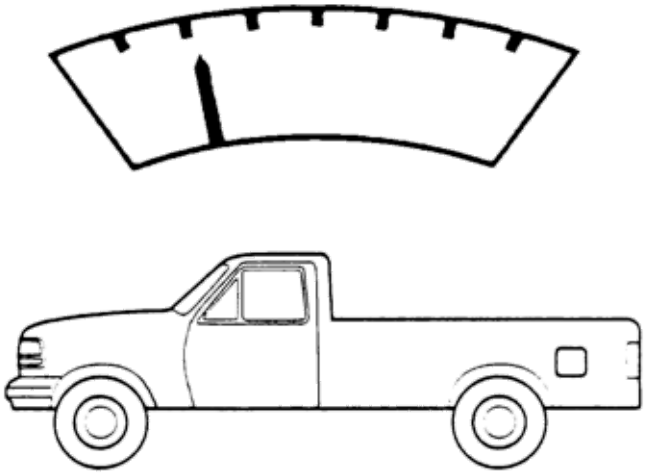
(1) Important: “Maximum vehicle weight” is calculated in accordance with the definition provided in an EPA guidance letter dated July 13, 1979, from C.N. Freed of the EPA to M.H. McBride, legal counsel of the Recreation Vehicle Industry Association. The preceding conditions are based on that letter and on EPA Advisory Circular No. 64 — a March 7, 1977, publication that provides guidance on the need for separate certification of vehicles modified after original manufacture, but prior to sale and delivery to the ultimate purchaser. Additional guidance or questions concerning EPA’s policies with respect to alterers of completed vehicles should be directed to legal counsel or the Environmental Protection Agency.

Base Curb Weight

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

- The weight of the vehicle including standard equipment, oil, lubricants and a full tank of fuel. It does not include the weight of driver, passengers, cargo or any optional or aftermarket equipment
- **Base curb weights for each engine/standard equipment transmission combination are listed in the Weight Ratings pages of each vehicle section (see Maximum Payload Weight Ratings for reference)**
- Actual Regular Production Option Content Weights can be found in the charts under Actual Regular Production Option Content Weights



Gross Axle Weight

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

The total weight placed on each axle of the vehicle (front and rear).

Gross Axle Weight Rating (GAWR)

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

The maximum allowable weight to be placed on an individual axle (front or rear). Gross Axle Weight Ratings are provided for both front and rear axles.

Gross Combination Weight (GCW)

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

Gross vehicle weight plus the trailer weight.

Gross Combination Weight Rating (GCWR)

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

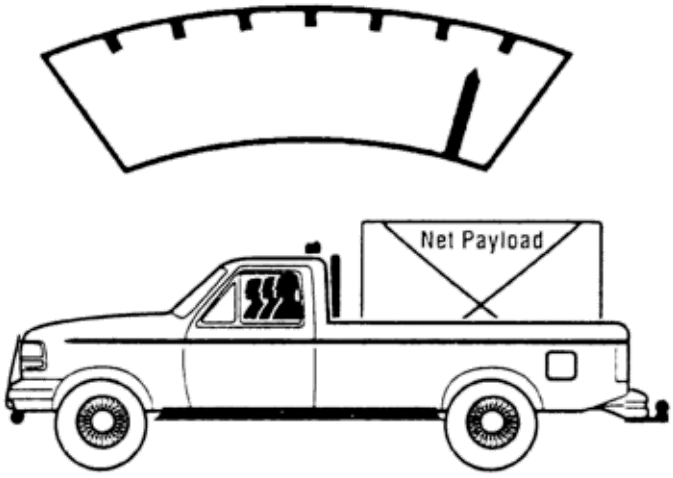
The maximum allowable weight of the towing vehicle, the trailer and all associated passengers, cargo and equipment.

The point to remember is that the actual weights should never exceed the listed weight ratings. And remind your customers that if they do exceed the recommended weight ratings, they could disqualify their warranty coverage.

Gross Vehicle Weight (GVW)

2019 F-150

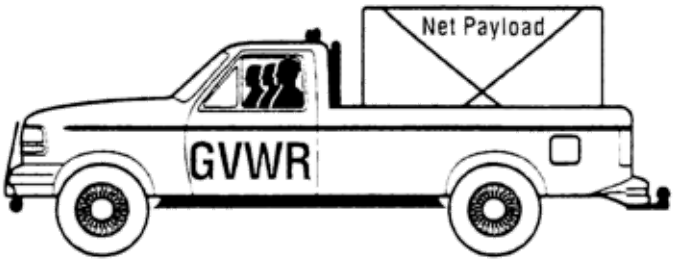
The weight of the vehicle including driver, passengers, optional and aftermarket equipment, and all cargo.



Gross Vehicle Weight Rating (GVWR)

2019 F-150

The maximum allowable weight of the fully loaded vehicle (including passengers and cargo).



Maximum Payload Weight Rating

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

This is the advertised payload rating. It is the maximum allowable payload for the truck, including driver, passengers, optional and aftermarket equipment, and cargo. The weight of the engine and its standard transmission is already factored into the Maximum Payload Weight Rating. If the engine is also available with an optional transmission, that engine/transmission weight can be found in the Actual Regular Production Option Content Weight charts.

Vehicle Payload Calculation	Front/Total (lbs.)
Maximum Payload Weight Rating(1)	____/____
Less Total Actual Regular Production Option Content Weight (from Line A, Payload/GVWR Worksheet)	____/____
Equals Net Total Vehicle Payload (Front and rear axles and spring capacities will be sufficient to carry this payload uniformly distributed in vehicle cargo area)	____/____

(1) Weight for driver and passengers must be deducted. Refer to the individual vehicle weight rating pages for maximum payload weight ratings. Refer to Regular Production Option Content Weight.

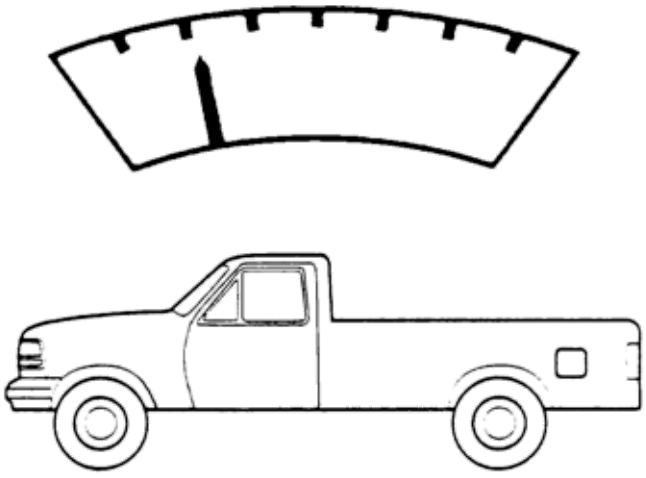
NOTE: Front springs are computer-selected to meet specific option requirements for each vehicle; HD front springs are standard if vehicle option weights require.

Maximum Payload Weight Ratings

2019 F-150

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

The Payload Weight Ratings and the Accessory Reserve Capacity(1) (ARC) or maximum allowable weight for regular production option charts are published and can be found in the weight ratings pages of the individual vehicle sections. This information is grouped together with other model, engine/transmission and maximum gross vehicle weight rating (GVWR) data for ease of use.

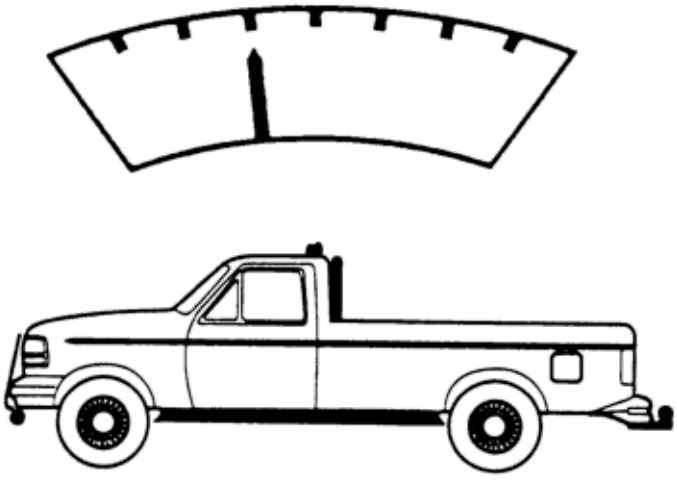


(1) Accessory Reserve Capacity (ARC) weight is the maximum allowable weight for regular production options and aftermarket equipment for models with standard equipment and the indicated engine/transmission combination.

Option Weights

2019 F-150

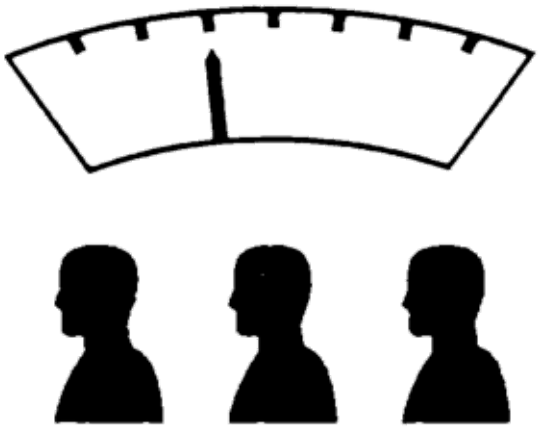
The weight of any added equipment that is not included in the base curb weight.



Passenger Weight

2019 F-150

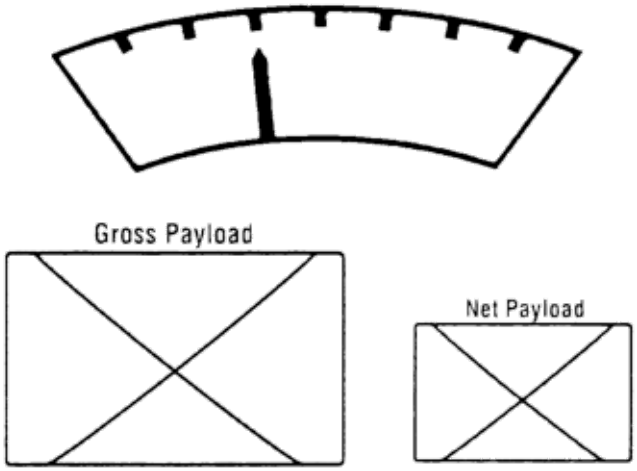
Defined as 150 lbs. multiplied by the number of safety-belted seating positions, including the driver, that the vehicle can carry.



Payload

2019 F-150

- Maximum payload is defined as the weight of all passengers, optional and aftermarket equipment, and cargo
- Net payload is defined as the weight that can be placed in the truck after subtracting for driver, passengers, and optional and aftermarket equipment



Tongue Weight

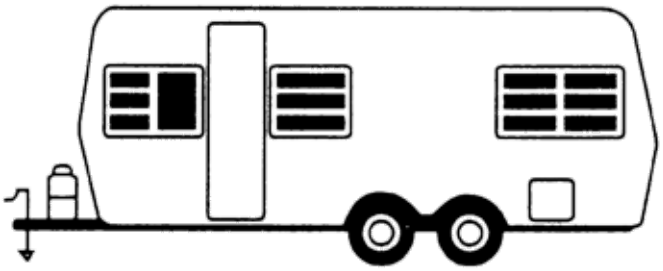
2019 F-150

The amount of the trailer's weight that bears down on the trailer hitch (10 to 15 percent of the total loaded conventional trailer weight or 15 to 25 percent of the total loaded 5th-wheel trailer weight).

Trailer Weight

2019 F-150

The weight of a fully loaded trailer, including all attachments, lights, etc.



Truck “Nominal Tonnage”

“Nominal Tonnage” is a term that Ford and other manufacturers have historically used to generally categorize the load capacity of a vehicle series; it is not a term defined by federal or state law.

Our COV (Certificate of Origin for a Vehicle) includes each particular vehicle’s shipping weight as well as the vehicle’s gross vehicle weight rating or GVWR (from which one can determine the particular vehicle’s rated carrying capacity, including driver, passengers, fluids, body upfit [if applicable] and aftermarket accessories). The COV also includes the vehicle’s “Nominal Tonnage.”

“Nominal Tonnage” provides the general usable cargo capability that most (but not all) of the vehicles with the designated nominal tonnage can expect to handle. That is, nominal tonnage states the general load capacity for each vehicle series, although particular vehicles may have a higher (or in some circumstances, lower) load capacity based on the specifications of the particular vehicle.

Relevant Vehicle Series/Nominal Tonnage Relationship Categories	
Nominal Tonnage	Vehicle
½	F-150, Transit Connect
¾	E-350 Cutaway/Stripped Chassis, Transit-150 Cargo Van/Passenger Wagon, Transit-250 Cargo Van, Transit-350 Cargo Van/Passenger Wagon, Transit-250/350 Cutaway/Chassis Cab, F-250 Pickup
1	E-450 Cutaway/Stripped Chassis, F-350 Pickup, F-350 Chassis Cab
1½	Transit-350 Cargo Van/Passenger Wagon, Transit-350 Cutaway/Chassis Cab, F-450 Pickup, F-450 Chassis Cab
2	F-550 Chassis Cab

Vehicle Class Ratings by GVWR

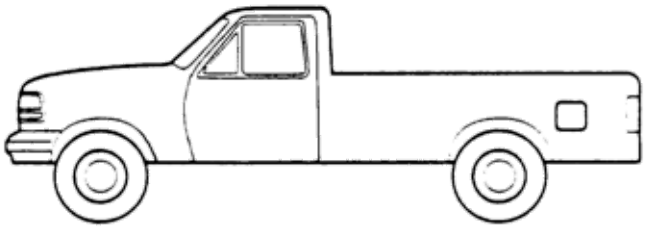
Weight Class	GVWR Range (lbs.)	Vehicle/Model
1	Up to 6000	Transit Connect (5060–5450 lbs.) Cargo Van (5130–5302 lbs.) Passenger Van (5060–5450 lbs.)
2	6001 to 10,000	Ranger (6050 lbs.) Transit-150 Cargo Van/Passenger Van (8600/8550 lbs.) Transit-250 Cargo Van (9000 lbs.) Transit-350 Cargo Van (9250–9950 lbs.) Transit-350 Passenger Van (9000–9400 lbs.) Transit-250 Cutaway/Chassis Cabs (9000 lbs.) Transit-350 Cutaway/Chassis Cabs (9500 and 9950 lbs.) F-150 (6070–7850 lbs.) F-250 Pickup (9900–10,000 lbs.) F-350 Pickup (9900–10,000 lbs.) F-350 Chassis Cab SRW (9800–10,000 lbs.)
3	10,001 to 14,000	E-350 Cutaway (10,050–12,500 lbs.) E-350 Stripped Chassis (11,500–12,500 lbs.) Transit-350 Cargo Van/Passenger Wagon (10,360 lbs.) Transit-350 Cutaway/Chassis Cab (10,360 lbs.) F-350 SRW Pickup (10,100–11,500 lbs.) F-350 DRW Pickup (13,000[1]–14,000 lbs.) F-350 Chassis Cab SRW (10,500–11,500 lbs.) F-350 DRW Chassis Cab (14,000 lbs.) E-450 Cutaway and Stripped Chassis (14,000 lbs.) F-450 Pickup (14,000 lbs.)
4	14,001 to 16,000	E-450 Cutaway (14,200–14,500 lbs.) E-450 Stripped Chassis (14,500 lbs.) F-450 Chassis (15,000–16,000 lbs.) F59 Commercial Stripped Chassis (16,000 lbs.) F53 Motorhome Chassis (16,000 lbs.)
5	16,001 to 19,500	F-450 Chassis Cab (16,500 lbs.) F-550 (17,500 –19,500 lbs.) F59 Commercial Stripped Chassis (19,500 lbs.) F53 Motorhome Chassis (18,000 lbs.)
6	19,501 to 26,000	F-650 Gasoline (22,000–26,000 lbs.) Diesel (22,000–26,000 lbs.) F59 Commercial Stripped Chassis (22,000 lbs.) F53 Motorhome Chassis (20,500 –26,000 lbs.)
7	26,001 to 33,000	F-650 (27,500–29,000 lbs. Gas and Diesel) F-750 (31,000–33,000 lbs. Gas and Diesel)
8	33,001 plus	F-750 (34,200–37,000 lbs. Diesel)

(1) 13,000 lbs. pickup box delete only.

Weight Distribution

2019 F-150

That portion of a vehicle's total weight that will be supported by each axle and each tire. Proper distribution of vehicle weight is critical to braking, handling and to the service life of components such as axles, springs, bearings and tires.



F-150 Styleside Pickup – GVWR/Payload/OPT & ARC/GAWR (Front Computer-Selected)/Base Curb Weight

2019 F-150

Cab Style/ Drive/WB (in.)	Engine	Max. GVWR (lbs.)	Max. Payload (lbs.)[1]	Max. Total Option Weight/Max. Total ARC Weight (lbs.)[2]	Max. Std. Spring Select GAWR (lbs.)[3]		Base Curb Weight (lbs.)		
					Front	Rear	Front	Rear	Total
Regular Cab 4x2 122.4	3.3L Ti-VCT V6	6100	1990	341/521	3000	3350	2383	1686	4069
	2.7L EcoBoost	6070	1860	343/524	3000	3350	2464	1702	4166
	5.0L Ti-VCT	6200	1950	334/569	2850	3800	2451	1749	4200
Regular Cab 4x2 141.1	3.3L Ti-VCT V6	6170	1960	416/789	3000	3350	2477	1687	4164
	2.7L EcoBoost	6220	1920	438/621	3150	3350	2558	1697	4255
	2.7L EcoBoost[4]	6900	2470	413/593	3150	4050	2612	1772	4384
	5.0L Ti-VCT	6750	2390	434/666	3150	3800	2608	1702	4310
	3.5L EcoBoost	7050	2640	443/650	3150	4050	2635	1730	4365
	5.0L Ti-VCT[5]	7850	3270	358/538	3400	4800	2699	1829	4528
	3.5L EcoBoost[5]	7850	3230	349/529	3400	4800	2709	1859	4568
SuperCab 4x2 145.0	3.3L Ti-VCT V6	6300	1840	571/739	3225	3350	2560	1855	4415
	2.7L EcoBoost	6400	1840	650/814	3375	3350	2651	1855	4506
	2.7L EcoBoost[4]	6750	2120	625/793	3375	3800	2673	1903	4576
	5.0L Ti-VCT	6900	2320	646/813	3450	3800	2680	1854	4534
	3.5L EcoBoost	6900	2260	655/823	3450	3800	2698	1892	4590
	3.0L V6 Diesel	7050	2020	652/805	3750	3800	2916	2059	4975
SuperCab 4x2 163.7	2.7L EcoBoost	6500	1800	650/818	3525	3350	2743	1901	4645
	2.7L EcoBoost[4]	6900	2150	625/771	3600	3800	2799	1902	4700

	5.0L Ti-VCT	7000	2290	646/814	3600	3800	2790	1865	4655
	3.5L EcoBoost	7050	2250	655/823	3750	4050	2835	1912	4747
	5.0L Ti-VCT[5]	7850	3070	518/776	3750	4800	2797	1935	4732
	3.5L EcoBoost[5]	7850	2950	506/675	3750	4800	2857	1934	4851
SuperCrew 4x2 145.0	3.3L Ti-VCT V6	6280	1700	565/733	3300	3350	2604	1924	4528
	2.7L EcoBoost	6360	1710	654/820	3375	3350	2672	1931	4603
	2.7L EcoBoost[4]	6650	1940	618/796	3375	3800	2690	1969	4659
	5.0L Ti-VCT	6800	2140	650/816	3375	3800	2692	1916	4608
	High-output 3.5L EcoBoost[6]	6750	1530	374/346	3375	3800	2969	2193	5162
	3.5L EcoBoost	6750	2050	682/890	3375	4050	2697	1949	4646
	3.0L V6 Diesel	7050	1980	664/847	3600	3800	2910	2101	5011
SuperCrew 4x2 156.8	2.7L EcoBoost	6500	1820	658/835	3450	3350	2746	1882	4628
	2.7L EcoBoost[4]	6800	2060	632/811	3450	3800	2745	1940	4685
	5.0L Ti-VCT	6950	2260	654/850	3450	3800	2749	1892	4641
	3.5L EcoBoost	7000	2270	696/931	3525	4050	2763	1912	4675
	5.0L Ti-VCT[5]	7850	2930	531/731	3750	4800	2852	2018	4870
	3.5L EcoBoost[5]	7850	2870	520/688	3750	4800	2874	2055	4929
	3.0L V6 Diesel	7050	1920	677/861	3750	4800	2997	2080	5077
Regular Cab 4x4 122.4	3.3L Ti-VCT V6	6120	1730	306/472	3000	3350	2585	1758	4343
	2.7L EcoBoost	6210	1720	322/494	3150	3350	2675	1769	4444
	5.0L Ti-VCT	6400	1840	356/543	3150	3800	2720	1785	4505
Regular Cab 4x4 141.1	3.3L Ti-VCT V6	6390	1920	391/571	3225	3350	2718	1700	4418
	2.7L EcoBoost	6500	1920	418/610	3300	3350	2820	1709	4529
	2.7L EcoBoost[4]	6800	2110	393/573	3375	3800	2859	1777	4636
	5.0L Ti-VCT	6950	2320	451/669	3375	3800	2821	1755	4576
	3.5L EcoBoost	7050	2370	423/631	3375	4050	2821	1805	4626
	5.0L Ti-VCT[5]	7850	3150	379/675	3400	4800	2839	1806	4645

	3.5L EcoBoost[5]	7850	3040	370/593	3750	4800	2902	1855	4758
SuperCab 4x4 145.0	3.3L Ti-VCT V6	6500	1770	551/712	3450	3350	2801	1874	4675
	2.7L EcoBoost	6500	1640	642/774	3600	3350	2903	1903	4806
	2.7L EcoBoost[4]	7000	2130	610/799	3600	3800	2896	1917	4813
	5.0L Ti-VCT	7050	2200	668/835	3600	3800	2913	1887	4800
	3.5L EcoBoost	7050	2150	641/819	3750	3800	2920	1922	4842
	3.0L V6 Diesel (TOD 4x4)	7050	1760	639/790	3900	3800	3147	2089	5236
	3.0L V6 Diesel (ESOF 4x4)	7000	1690	549/775	3900	3800	3148	2103	5251
SuperCab 4x4 163.7	5.0L Ti-VCT	7000	2020	672/842	3750	3800	2912	2016	4928
	3.5L EcoBoost	7050	2050	641/880	3750	4050	2880	2066	4946
	5.0L Ti-VCT[5]	7850	2760	542/750	3750	4800	2984	2046	5030
	3.5L EcoBoost[5]	7850	2730	533/726	3750	4800	2998	2068	5066
SuperCrew 4x4 145.0	3.3L Ti-VCT V6	6500	1680	552/718	3525	3350	2826	1944	4770
	2.7L EcoBoost	6600	1690	636/803	3600	3350	2905	1954	4859
	2.7L EcoBoost[4]	6900	1940	614/781	3600	3800	2911	1991	4902
	5.0L Ti-VCT	7000	2080	661/858	3600	3800	2918	1950	4868
	High-output 3.5L EcoBoost[6]	6750	1280	374/386	3600	3800	3190	2224	5414
	3.5L EcoBoost	7000	2050	667/885	3600	4050	2918	1980	4898
	3.0L V6 Diesel (TOD 4x4)	7050	1720	652/832	3900	3800	3138	2133	5271
	3.0L V6 Diesel (ESOF 4x4)	7000	1660	593/794	3900	3800	3139	2147	5286
SuperCrew 4x4 156.8	5.0L Ti-VCT	7050	2080	676/873	3750	3800	2984	1929	4913
	3.5L EcoBoost	7050	2050	679/895	3750	4050	2985	1961	4946
	5.0L Ti-VCT[5]	7850	2710	558/791	3750	4800	3066	2020	5086
	3.5L EcoBoost[5]	7850	2690	546/777	3750	4800	3067	2041	5108

	3.0L V6 Diesel (TOD 4x4)	7100	1720	659/843	3900	3800	3209	2111	5320
	3.0L V6 Diesel (ESOF 4x4)	7050	1660	604/795	3900	3800	3211	2124	5335

(1) Load rating represents maximum allowable weight of people, cargo and body equipment and is reduced by available equipment weight.

(2) OPT/ARC Weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment. Accessory Reserve Capacity (ARC) for models with standard equipment and the engine/transmission combination indicated.

(3) Gross Axle Weight Rating (GAWR) is determined by the rated capacity of the minimum component of the axle system (axle, computer-selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR.

(4) Ratings based on 2.7L EcoBoost V6 Payload Package (622).

(5) Ratings based on Heavy-Duty Payload Package (627).

(6) Limited model.

NOTE: Refer to Standard Equipment for Standard Powertrain/Chassis Equipment Specifications.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Actual Regular Production Option Content Weight

2019 F-150

Option Weight	(Front/Total) (lbs.)
TIRES:	
P245/70R17 (All-season)	(0/0)
P265/70R17 (All-terrain OWL)	(0/0)
P265/60R18 (All-season OWL) (4x2) (Regular Cab)	(8/17)
P265/60R18 (All-season OWL) (4x2) (SuperCab)	(8/17)
P265/60R18 (All-season OWL) (4x2) (SuperCrew)	(8/17)
LT275/65R18 (All-terrain OWL)	(22/43)
P275/55R20 (All-season OWL) (4x2) (SuperCab)	(15/29)
P275/55R20 (All-season OWL) (4x2) (SuperCrew)	(15/29)
P275/55R20 (All-terrain OWL) (4x4) (SuperCab)	(7/14)
P275/55R20 (All-terrain OWL) (4x4) (SuperCrew)	(7/14)
LT245/70R17D (All-terrain BSW) (Regular Cab/SuperCab) (SuperCrew)	(28/56) (28/56)
LT275/65R18C (All-terrain OWL) (4x4) (SuperCab) (SuperCrew)	(3/6) (11/23)
TRIM:	
XL 4x2 (Regular Cab)	(0/0)
XL 4x2 (SuperCab)	(0/0)
XL 4x2 (SuperCrew)	(0/0)
XL 4x4 (Regular Cab)	(0/0)
XL 4x4 (SuperCab)	(0/0)
XL 4x4 (SuperCrew)	(0/0)
XLT 4x2 (Regular Cab)	(8/15)
XLT 4x2 (SuperCab)	(1/2)
XLT 4x2 (SuperCrew)	(1/2)
XLT 4x4 (Regular Cab)	(6/11)
XLT 4x4 (SuperCab)	(5/9)

XLT 4x4 (SuperCrew)	(5/9)
Lariat 4x2 (SuperCab)	(12/19)
Lariat 4x2 (SuperCrew)	(12/19)
Lariat 4x4 (SuperCab)	(12/19)
Lariat 4x4 (SuperCrew)	(12/19)
King Ranch 4x2 (SuperCrew)	(10/16)
King Ranch 4x4 (SuperCrew)	(12/20)
Limited 4x2 (SuperCrew)	(13/23)
Limited 4x4 (SuperCrew)	(13/23)
Platinum 4x2 (SuperCrew)	(12/19)
Platinum 4x4 (SuperCrew)	(13/24)
FX4 Off-Road Package	TBA/TBA
Lariat Chrome Package	(0/0)
Lariat Special Edition Package	TBA/TBA
Max. Trailer Tow Package	(12/26)
Power Equipment Group (Fleet)	(0/0)
STX Appearance Package	TBA/TBA
Trailer Tow Package (Medium Duty)	(0/11)
Trailer Tow Package (Heavy Duty)	(12/25)
XLT Chrome Package	(0/0)
XLT Special Edition Package	TBA/TBA
OPTIONS:	
110V/400W AC Power Outlet	(2/3)
AM/FM/MP3 Audio System	(1/1)
Axle Ratio	(0/1)
Axle Ratio, Limited-slip	(0/2)
Bedliner, Hard	(0/45)
Bedliner, Spray-in	(0/45)
Carpet	(2/3)
Cruise Control, Adaptive with stop-and-go and Pedestrian Detection	(2/3)
Floor Mats, Carpeted	
Regular Cab	(2/3)
SuperCab	(3/6)

SuperCrew	(3/6)
Flooring, Vinyl	(0/0)
Fog Lamps	(-4/-3)
Front License Plate Bracket	(1/1)
Fuel Tank, 36-gallon	(20/83)
Inflatable Rear Safety Belts (SuperCab and SuperCrew)	(1/4)
Moonroof	
Single Panel	(26/51)
Twin Panel Moonroof	(33/64)
Navigation System	(6/8)
Paint, Two-tone	(1/2)
Pedals, Power-adjustable	(5/7)
Pickup Box Access Steps	(16/63)
Pickup Box Lighting	(0/1)
Pickup Box Tie-Down Cleats	(2/8)
Pro Trailer Backup Assist	(1/1)
Rear View Camera	(0/0)
Remote Keyless Entry System	(2/4)
Remote Tailgate Release	(0/3)
Reverse Sensing System	(0/0)
Running Boards, 5" Chrome Tubular	
SuperCab	(14/26)
SuperCrew	(16/29)
Running Boards, Black Platform	
Regular Cab	(14/25)
SuperCab	(21/40)
SuperCrew	(21/40)
Running Boards, Polished Stainless Steel, Tubular	
Regular Cab	(12/22)
SuperCab	(14/26)
SuperCrew	(16/29)
Running Boards, Power-deployable	(29/57)

Seat, Vinyl 40/20/40	(0/0)
Seat, Cloth 40/20/40	(0/0)
Seat, Cloth Captain's Chairs	(0/0)
Seat, Leather Captain's Chairs	(0/0)
Seat, Power 6-way	(5/8)
Seat, Power 10-way	(7/13)
Seats (Heated/Cooled)	(4/4)
Seats (Heated Rear)	(1/1)
Side Mirrors, Power Heated, Signal	(1/2)
Side Mirrors, Power Heated, PowerFold, Memory	(3/6)
Side Mirrors, Manually Telescoping Trailer Tow, Manual Glass	(8/14)
Side Mirrors, Manually Telescoping Trailer Tow, Power Heated Glass	(10/17)
Side Mirrors, Power	(1/2)
Side Mirrors, Power-telescoping Trailer Tow, Heated Glass	(14/21)
SiriusXM Satellite Radio	(0/0)
Skid Plates	(18/28)
Soft Tonneau Cover	(0/25)
Stowable Bed Extender	(-2/19)
SYNC	(1/2)
SYNC 3	(2/3)
Tailgate Step	(-7/40)
Trailer Brake Controller	(0/0)
Transfer Case, Electronic Shift-on-the-Fly	(0/0)
Universal Garage Door Opener	(0/0)
Wheel Well Liners	(4/8)
Wheels, 17" Silver-painted Aluminum (64F)	(-10/-19)
Wheels, 18" Chrome-like PVD Aluminum (64T)	(-3/-6)
Wheels, 18" 6-spoke Machined Aluminum (64R)	(1/1)
Wheels, 18" Machined Aluminum (64M)	(TBA/TBA)
Wheels, 18" Silver Aluminum (64H)	(TBA/TBA)
Wheels, 20" Chrome-like PVD (64L)	(15/34)
Wheels, 20" 6-spoke Painted Aluminum (64S)	(17/33)

Wheels, 20" Machined Aluminum with Painted Accents (64G)	(11/22)
Wheels, 20" Premium Tarnished Dark-painted Aluminum (64A)	(15/30)
Window, Rear, Fixed Privacy Glass with Defrost	(0/0)
Window, Rear, Manual-sliding with Privacy Tint	(2/4)
Window, Rear, Power-sliding (SuperCab and SuperCrew)	(3/6)
Line A) Total Actual Option Content Weight: (Front/Total)	____/___
Maximum Payload Rating Weight Less Total Actual Regular Production Option Content Weight (from Line A above) = Net Payload	

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

F-150 4x2 Styleside Pickup[1][2]

POWERTRAIN:		Refer to the Ordering Guide for 50 States Usage
Engine	Type	3.3L Ti-VCT V6
Transmission	Type	6R80 6-speed Auto OD
AXLES:		
Front Axle	Type	Long-spindle Double-wishbone, Coil-over-shock IFS
	Capacity (Rating @ Ground)	3000 lbs. Regular Cab, 3225 lbs. SuperCab and SuperCrew
Rear Axle	Type	Semi-floating
	Capacity (Rating @ Ground)	3300 lbs.
BRAKES:		
Front/Rear Disc	Type	Vented, Twin-piston Front and Single-piston Rear Caliper
	Rotor Diameter — Front/Rear	13.8"/13.7"
Power Assist Unit	Type	Tandem-diaphragm
	Effective Diameter	9.07" Front/8.98" Rear
Anti-Lock Brake System		4-wheel (4-channel with Electronic Brakeforce Distribution)
Parking Brake (Rear Brakes)		Electric
ELECTRICAL:		
Alternator	Rating	200 Amp, 2700 Watt/240 Amp, 3240 Watt
Battery	Type	Maintenance-free (Battery Saver System Standard)
	Rating	70-AH, 610 CCA; 80-AH, 730 CCA
Harnesses	Type	3-pin Connector
FUEL TANK:	Capacity	23.0 Gal.
JACK:	Capacity	2 Tons
STEERING:	Type	Power, Rack-and-pinion; Electric Power-assist
	Ratio	20.0:1 122" WB, 141" WB, 17.0:1 145" WB, 157" WB, 164" WB
SUSPENSION:		
Frame	Type	Fully boxed, modular high-strength steel with 8 crossmembers that are welded on both sides
	Section Modulus (cu. in.)	See Frame Specifications

Springs, Front	Type	Coil, Computer-selected
	Rating @ Ground (min.)	NA
Springs, Rear	Type	Leaf, Two-stage Variable-rate, Computer-selected
	Rating @ Ground (min.)	NA
Shock Absorbers	Gas-type	Front 1.38"/Rear 1.26"
Stabilizer Bar	Position/Diameter/Type	Front/36 mm/Hollow(3)
TIRES:	Type	Steel-belted Radial All-season Less 8200-lb. GVWR; Steel-belted Radial All-terrain with 8200-lb. GVWR
	Size	Five 235/75Rx17 BSW Less 8200-lb. GVWR; Five LT245/75R17E BSW with 8200-lb. GVWR
	Spare Tire Carrier	Rear Underframe, Winch-type with Safety Catch (Locking-type, Lock Cylinder in Rear Bumper Opened by Ignition Key)
WHEELS:	Type and Size	Four 17" x 7.5" Gray Styled Steel with Same-size Steel Spare (6-hole Disc); Five 17" x 7.5" 7-lug Steel (7-hole Disc) with 8200-lb. GVWR

(1) 8200-lb. GVWR is included with the available Heavy-Duty Payload Package (627) and requires either the 5.0L Ti-VCT V8 or 3.5L Ti-VCT V6 engine. In addition to the equipment listed above, this package also includes Super Engine Cooling and frame upgrade (.150 rail thickness).

(2) Refer to notes below for powertrain/chassis upgrades included with available trim levels.

(3) All 122" WB models get a stiffer 36 mm solid stabilizer bar along with models equipped with either the Trailer Tow Package (53A) or the Max. Trailer Tow Package (53C). Models with the Heavy-Duty Payload Package (627) get a 36 mm solid stabilizer bar as well.

NOTE: Refer to Weight Ratings for Standard & Available Weight Rating Specifications (GVWR/Payload/Spring & GAWR/Base Curb Weight).

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

F-150 4x4 Styleside Pickup[1][2]

POWERTRAIN:		Refer to the Ordering Guide for 50 States Usage
Engine	Type	3.3L Ti-VCT V6
Transmission	Type	6R80 6-Speed Auto OD
Transfer Case	Type	Electronic Shift
	Low/High Gear Ratio	2.64:1/1.00:1
AXLES:		
Front Axle	Type	Long-spindle Double-wishbone, Coil-over-shock IFS
	Capacity (Rating @ Ground)	3225 lbs. Regular Cab, 3450 lbs. SuperCab and SuperCrew
Rear Axle	Type	Semi-floating
	Capacity (Rating @ Ground)	3300 lbs.
BRAKES:		
Front/Rear Disc	Type	Vented, Twin-piston Front and Single-piston Rear Caliper
	Rotor Diameter — Front/Rear	13.8"/13.7"
Power Assist Unit	Type	Tandem-diaphragm
	Effective Diameter	9.07" Front/8.98" Rear
Anti-Lock Brake System		4-wheel (4-channel with Electronic Brakeforce Distribution)
Parking Brake (Rear Brakes)		Electric
ELECTRICAL:		
Alternator	Rating	200 Amp, 2700 Watt/240 Amp, 3240 Watt
Battery	Type	Maintenance-free (Battery Saver System Standard)
	Rating	70-AH, 610 CCA; 80-AH, 730 CCA
Harnesses	Type	3-pin Connector
FUEL TANK:	Capacity	23.0 Gal.
JACK:	Capacity	2 Tons
STEERING:	Type	Power, Rack-and-pinion; Electric Power-assist
	Ratio	20.0:1 122" WB, 141" WB, 17.0:1 145" WB, 157" WB, 164" WB
SUSPENSION:		
Frame	Type	Fully boxed, modular high-strength steel with 8 crossmembers that are

		welded on both sides
	Section Modulus (cu. in.)	See Frame Specifications
Springs, Front	Type	Coil, Computer-selected
	Rating @ Ground (min.)	NA
Springs, Rear	Type	Leaf, Two-stage Variable-rate, Computer-selected
	Rating @ Ground (min.)	NA
Shock Absorbers	Gas-type	Front 1.38"/Rear 1.26"
Stabilizer Bar	Position/Diameter/Type	Front/36 mm/Hollow(3)
TIRES:	Type	Steel-belted Radial All-terrain
	Size	Five 235/75Rx17 BSW Less 8200-lb. GVWR; Five LT245/75Rx17E BSW with 8200-lb. GVWR
	Spare Tire Carrier	Rear Underframe, Winch-type with Safety Catch (Locking-type, Lock Cylinder in Rear Bumper Opened by Ignition Key)
WHEELS:	Type and Size	Four 17" x 7.5" Gray Styled Steel with Same-size Steel Spare (6-hole Disc); Five 17" x 7.5" 7-lug Steel (7-hole Disc) with 8200-lb. GVWR

(1) 8200-lb. GVWR is included with the available Heavy-Duty Payload Package (627) and requires either the 5.0L Ti-VCT V8 or 3.5L Ti-VCT V6 engine. In addition to the equipment listed above, this package also includes Super Engine Cooling and frame upgrade (.150 rail thickness).

(2) Refer to notes below for powertrain/chassis upgrades included with available trim levels.

(3) All 122" WB models get a stiffer 36 mm solid stabilizer bar along with models equipped with either the Trailer Tow Package (53A) or the Max. Trailer Tow Package (53C). Models with the Heavy-Duty Payload Package (627) get a 36 mm solid stabilizer bar as well.

NOTE: Refer to Weight Ratings for Standard & Available Weight Rating Specifications (GVWR/Payload/Spring & GAWR/Base Curb Weight).

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

6-speed Automatic Transmission Specifications

2019 F-150

Make/Type	Ford 6-speed Automatic Overdrive (6R80)
Engines	3.3L Ti-VCT V6
Ratios (to 1):	
1st	4.17
2nd	2.34
3rd	1.52
4th	1.14
5th	0.86
6th	0.69
Reverse	3.40
Converter Size and Type	260 mm 155K (Single-stage Conventional)
Converter Stall Ratio	2.30:1
Lubricant Capacity (qt.)	12.0
Planetary	Simple and Ravigneaux
Helical Gears	All
Oil Cooler	4-channel
Turbine Speed Sensor System	Yes
Fully Electronic Shift Scheduling	Yes
Weight (with Fluid)	211 lbs. (4x2)/208 lbs. (4x4)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

10-speed Automatic Transmission Specifications

2019 F-150

Make/Type	Ford 10-speed Automatic Overdrive (10R80)
Engine	2.7L EcoBoost V6, 3.5L EcoBoost V6, High-output 3.5L EcoBoost V6, 5.0L Ti-VCT V8, 3.0L Power Stroke V6 Turbo Diesel
Ratios (to 1):	
1st	4.696
2nd	2.985
3rd	2.146
4th	1.769
5th	1.520
6th	1.275
7th	1.000
8th	0.854
9th	0.689
10th	0.636
Reverse	4.866
Converter Size and Type	260 mm with turbine damper
Converter Stall Ratio	1.82:1
Lubricant Capacity (qt.)	12.2
Planetary	Simple (4)
Helical Gears	All
Oil Cooler	Not available
Turbine Speed Sensor System	Yes with (4) internal speed sensors
Fully Electronic Shift Scheduling	Yes
Weight (with Fluid)	231 lbs. (4x2)/234 lbs. (4x4)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Engine

2019 F-150

Driveline Layout	Front engine, rear wheel (RWD) or 4x4					
Engine Type	3.3L Ti-VCT V6	2.7L EcoBoost V6	5.0L Ti-VCT V8	3.5L EcoBoost V6	High-output 3.5L EcoBoost V6	3.0L Power Stroke V6 Turbo Diesel
Displacement (liters/cu. in.)	3.3/201	2.7/164	5.0/302	3.5/214	3.5/214	3.0L/183
Horsepower @ rpm	290 @ 6500	325 @ 5000	395 @ 5750	375 @ 5000	450 @ 5000	250 @ 3250
Torque (lb.-ft.) @ rpm	265 @ 4000	400 @ 2750	400 @ 4500	470 @ 3500	510 @ 3500	440 @ 1750
Compression Ratio	12.0:1	10.0:1	12.0:1	10.0:1	10.0:1	16.0:1
Valvetrain	Ti-VCT DOHC					DOHC
Valve Operation	Roller finger follower	Roller finger follower	Roller finger follower	Roller finger follower	Roller finger follower	Roller finger follower
Bore & Stroke (in.)	3.56 x 3.41	3.27 x 3.27	3.63 x 3.65	3.64 x 3.45	3.64 x 3.45	3.31 x 3.54
Main Bearings	4	4	5	4	4	4
Induction	Naturally aspirated	Twin turbocharged	Naturally aspirated	Twin turbocharged	Twin turbocharged	Single turbocharged
Fuel System	Port Fuel Direct-Injection (PFDI) dual system					Direct-injection
Fuel Requirement (octane)	87 (min.)					ULSD Diesel/ B20 biodiesel

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Fuel System Data

2019 F-150

Sequential Electronic Fuel Injection	3.3L Ti-VCT V6	Port Fuel/Direct-injection (PFDI)
	2.7L EcoBoost V6	Port Fuel/Direct-injection (PFDI)
	5.0L Ti-VCT V8	Port Fuel/Direct-injection (PFDI)
	3.5L EcoBoost V6	Port Fuel/Direct-injection (PFDI)
	High-output 3.5L EcoBoost V6	Port Fuel/Direct-injection (PFDI)
	3.0L V6 Diesel	High-pressure Common Rail Fuel System
Fuel Pump	Single Electric In-tank High-pressure	
	In-tank Electric High-pressure Engine-mounted Booster	
Fuel Filter	All Gas Engines	In-tank Lifetime
	3.0L V6 Diesel	Full-flow, Disposable Filter/In-line Water Separator
Air Cleaner	All Engines	Dry Element, Replaceable

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Cooling System Specifications

2019 F-150

Specs > Powertrain

Engine	Radiator Usage	Frontal Area (sq. cm)	Core Size (mm)			Rows of Tubes	Fins Per dm	Cooling System Cap. (liters)	Fans	
			Height	Width	Core				Diameter (mm)	No. of Blades
3.3L Ti-VCT V6	Standard	400	454.3	880	26	56	85	14.5	370/396	5
2.7L EcoBoost V6	Standard	400	454.3	880	26	56	85	15.5	370/396	5
	Trailer Tow(1)	400	454.3	880	32	56	75			
5.0L Ti-VCT V8	Standard	400	454.3	880	26	56	85	15.0	370/396	5
3.5L EcoBoost V6	Standard	400	454.3	880	26	56	85	14.8	370/396	5
	Trailer Tow(2)	400	454.3	880	32	56	75			
High-output 3.5L EcoBoost V6	Standard	400	454.3	880	26	56	85	14.75	370/396	5
3.0L Power Stroke V6 Turbo Diesel	Standard	400	454.3	880	32	56	75	13.0	370/396	6

(1) Trailer tow class Heavy CICAE.

(2) Trailer tow class Heavy CICAE, Max CICAP and SuperMax CICAQ.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Transfer Case Specifications

2019 F-150

Specs > Powertrain

Shift Type	Electric Shift-on-the-Fly (ESOF)/ 2-speed Automatic Four-wheel Drive (4WD)
Gear Type	2-speed Planetary Gears
Lubricant Capacity (qt.)	1.3 – 1.5
Gear Ratio — High	1.00:1
Gear Ratio — Low	2.64:1
Case Material	Magnesium

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Front Axle Specifications

2019 F-150

Series/Model		F-150 4x2	F-150 4x4
Type		Long-spindle Double-wishbone, Coil-over-shock Independent Front Suspension	
Max. Rating @ Ground (lbs.)		3750	3750
Upper Control Arm	Material	Stamped Steel	
Lower Control Arm	Material	Stamped Steel	
Spring	Type	Coil-over-shock, Computer-selected	
Ball Joints		Lubed-for-Life	
Spindle	Material	Cast-aluminum Body with Forged Steel Stem	
Wheel Bearings	Type	Self-retained Tapered Roller (GEN II Cartridge)	

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Rear Axle Specifications

2019 F-150

Series/Model		F-150 4x2			F-150 4x4		
Max. Rating @ Ground (lbs.) (Engine)		4800(1)			4800(1)		
Make		Standard/Electronic-locking		Electronic-locking	Standard/Electronic-locking		Electronic-locking
Axle Ratios (:1)		3.31, 3.55, 3.73	3.15, 3.55, 3.73	3.73	3.55, 3.73	3.31, 3.55, 3.73	3.73
Ring Gear	Pitch Diameter (in.)	8.80	9.75	9.75HD	8.80	9.75	9.75HD
Housing	Type	Cast Center					
	Cover Attachment	Bolted					
Lubricant Capacity (pt.)		4.0–4.15		5.5–5.65	4.0–4.15		5.5–5.65
Wheel Bearings	Type	Straight Roller					
Gears	Type	Hypoid					
	Material	Alloy Steel					
Pinion	Mounting	Overhung					
Differential	Type	2-pinion					
	Bearings	Tapered Roller					

(1) With Heavy-Duty Payload Package.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Four-wheel Vented Disc (ABS)

2019 F-150

Specs > Chassis

Type	Model	Axle Usage	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia. (in.)	Gross Lining Area Per Axle (sq. in.)	Total Swept Area Per Axle (sq. in.)
			OD	ID					
Rotor (Disc)	All	All	13.8	9.33	Outboard	9.99/2.53/0.55	Dual 2.13	40.6	297.5
					Inboard	10.36/2.53/0.55			

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Hydraulic Brake Equipment Specifications — Rear Disc

2019 F-150

Specs > Chassis

Type	Axle Usage (in.)	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia. (in.)	Gross Lining Area Per Axle (sq. in.)	Total Swept Area Per Axle (sq. in.)
		OD	ID					
Rotor (Disc)	9.75, 8.8 w/5.0L Ti-VCT V8	13.7	10.28	Outboard	3.88/1.48/0.41	Single 2.13	15.5	254.5
Rotor (Disc)	8.8 (less 5.0L Ti-VCT V8)	13.23	9.57	Outboard	4.31/1.54/0.43	Single 2.13	17.2	254.1

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Brake Master Cylinder Specifications

2019 F-150

Specs > Chassis

Type	Bore Dia. (in.)
Dual-bore	1.187–1.370

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Power Brakes Vacuum Booster Specifications

2019 F-150

Make/Type	Effective Dia. (in.)	Outside Dia. (in.)	Diaphragm Type
Dash-mounted	9.07 Front/8.98 Rear	9.93 Max. OD	Tandem

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Frame Specifications

2019 F-150

Specs > Chassis

Model	Wheelbase (in.)	No. of Crossmembers	Maximum Side Rail Section (in.)	Section Modulus (cu. in.)	Yield Strength (psi)
Regular Cab 4x2	122	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
	141	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .11 (HD/HPP)	4.95 6.28	49,300 49,300
Regular Cab 4x4	122	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
	141	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .11 (HD/HPP)	4.95 6.28	49,300 49,300
SuperCab 4x2	145	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
SuperCab 4x4	145	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
SuperCrew 4x2	145	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
SuperCrew 4x2	157	8	9.06 x 3.58 x 0.87 (LD) 9.06 x 3.58 x .1 (HD) 9.06 x 3.58 x .11 (HPP)	4.95 5.73 6.28	49,300 49,300 49,300
SuperCrew 4x4	145	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .1 (HD)	4.95 5.73	49,300 49,300
SuperCrew 4x4	157	8	9.06 x 3.58 x .1 (HD) 9.06 x 3.58 x .11 (HPP)	5.73 6.28	49,300 49,300
SuperCab 4x2	164	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .11 (HD/HPP)	4.95 6.28	49,300 49,300
SuperCab 4x4	164	8	9.06 x 3.58 x .11 (HD/HPP)	6.28	49,300

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Shock Absorber Specifications

2019 F-150

Specs > Chassis

Usage	Front			Rear		
	No. Used	Piston Dia. (in.)	Type	No. Used	Piston Dia. (in.)	Type
Standard	2	1.38	Gas-pressurized	2	1.26	Gas-pressurized

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Spring Specifications — Front Coil

2019 F-150

Specs > Chassis

Model	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Inside Dia. (in.)	Wire Dia. (in.)	Deflection Rate @ Ground (lbs. per in. ea.)
Gas 4x2/4x4(1)	2850	12.0	3.75	.619	314
	3000	12.0	3.75	.640	354
	3150	12.0	3.75	.659	394
	3225	12.0	3.75	.678	433
	3300	12.0	3.75	.678	433
	3375	12.0	3.75	.695	473
	3450	12.0	3.75	.695	473
	3525	12.0	3.75	.712	513
	3600	12.0	3.75	.712	513
	3750	12.0	3.75	.727	553
Gas 4x2/4x4(2)	3400	12.0	3.75	.744	633
	3750	12.0	3.75	.752	633
Diesel 4x2/4x4(1)	3900	12.0	3.75	.742	593
	4050	12.0	3.75	.756"	633

(1) Except Heavy-Duty Payload Package.

(2) With Heavy-Duty Payload Package only.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Spring Specifications — Rear Main Leaf

2019 F-150

Specs > Chassis

Comb. Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Flat Length(1) (in.)	Width (in.)	Deflection Rate (lbs. per in./spring)
3350	2 + 1	1.58	61.5	3.0	200/314
3800	2 + 1	1.66	61.5	3.0	200/388
4050	2 + 1	1.71	61.5	3.0	240/405
4800	3 + 1	2.04	61.5	3.0	262/431

(1) Length measured at bushings, center-to-center.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Steering

2019 F-150

Specs > Chassis

Cab	Wheelbase (in.)	Rack-and-pinion Power Steering(1)		Turning Diameter (ft.) Curb-to-Curb
		Rack Speed (mm Per Revolution)	Vehicle Steering Ratio	
Regular	122	47.4	20.0:1	40.7
	141	47.4	20.0:1	46.1
SuperCab	145	54.5	17.0:1	47.1
	145 (w/Max. Trailer Tow)	54.5	17.0:1	47.1
	164	54.5	17.0:1	53.0
SuperCrew	145	54.5	17.0:1	47.8
	145 (w/Max. Trailer Tow)	54.5	17.0:1	47.8
	157	54.5	17.0:1	51.1
	157 (w/Max. Trailer Tow)	54.5	17.0:1	51.1

(1) All gears include nibble damper.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Tire Specifications

Size	Rim Width (in.)	Section Width (in.)	Static Loaded Radius (in.)
245/70R17 110T A/S BSW	7.5	9.88	13.70
265/70R17 115T A/T OWL	7.5	10.86	14.13
265/60R18 110T A/S BSW	7.5	10.24	13.70
265/60R18 110T A/S BSW	7.5	10.39	13.70
265/65R18 OWL all-season/all-terrain	7.5	TBA	TBA
275/45R22 112V A/S BSW	9.0	10.71	14.58
275/65R18 116T A/T OWL	7.5	10.98	14.33
275/55R20 113H A/S BSW	8.5	10.98	14.41
275/55R20 113T A/T OWL	8.5	11.06	14.60
275/55R20 113T A/T BSW	8.5	11.10	14.52
LT245/70R17 114S A/T BSW	7.5	9.96	14.37
LT275/65R18 113S A/T OWL	7.5	11.10	14.88

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Wheel Specifications

2019 F-150

Wheel Type	Wheel Size (in.)	Inset (in./mm)	No. of Studs	Bolt Circle (in./mm)	Maximum Wheel Capacity Load Front/Rear (lbs.)
Silver Steel (Heavy-Duty Payload Package)	17 x 7.5	1.73/44	6	5.3/135	2022/2275
Silver Steel	17 x 7.5	1.73/44	6	5.3/135	1825/2025
Silver-painted Aluminum	17 x 7.5	1.73/44	6	5.3/135	1825/2028
6-spoke Machined Aluminum	18 x 7.5	1.73/44	6	5.3/135	1825/2028
Silver Aluminum (Heavy-Duty Payload Package)	18 x 7.5	1.73/44	6	5.3/135	1991/2275
Machined Aluminum	18 x 7.5	1.73/44	6	5.3/135	1825/2028
Chrome-like PVD	18 x 7.5	1.73/44	6	5.3/135	1825/2028
Machined Aluminum w/Painted Pockets	20 x 8.5	1.73/44	6	5.3/135	1825/2028
Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825/2028
6-spoke Premium Painted Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825/2028
Chrome-like PVD Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825/2028
Polished Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825/2028
Polished Aluminum	22 x 9.0	1.73/44	6	5.3/135	1825/2028

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Trailer Towing/Camper Information

2019 F-150

Specs > Special Applications

For additional towing information, refer to the RV & Trailer Towing Guide, available as a printable PDF on **eSourceBook** or the vehicle owner's manual for more information.

Completed Vehicle Weight

2019 F-150

Specs > Special Applications

The weight of the completed vehicle with equipment installed (and second unit body, if applicable) must not exceed the Front GAWR, Rear GAWR or GVWR established by Ford. If sufficient weight is added such that the completed vehicle with a driver and more than one passenger would exceed Front GAWR, Rear GAWR or GVWR, it is the responsibility of the equipment installer to notify the customer of the appropriate use restrictions (i.e., that the user should limit occupancy of the vehicle to the driver and one passenger while the equipment is installed). The addition of ballast weight, placed rearward of the rear axle, may be required to prevent front-end overloading or exceeding Front GAWR. If required, the ballast weight must be securely attached to the vehicle. For Ford completed vehicles of 10,000 lbs. GVWR or less, the weight of permanently attached equipment must not exceed the Total Accessory Reserve Capacity (TARC) as specified on the Safety Compliance Certification Label. Exceeding TARC will require recertification.

Front-end Wheel Alignment and Headlamp Aim

2019 F-150

Specs > Special Applications

Front-end wheel alignment (toe) and headlamp aim may require adjustment after installation of equipment, and is the responsibility of the equipment installer. Failure to reset front wheel alignment may cause premature, uneven tire wear. If required, reset to chassis manufacturer's specifications found in the Ford Shop Manual.

Electrical Connections

2019 F-150

Specs > Special Applications

Installation of any inductive load devices (i.e., electric motors, electric clutches for clutch pumps, etc.) MUST NOT be connected to OEM wiring or fuse panels. Power for such devices should be taken directly from the battery or starter motor relay power terminal. Control of these devices should be achieved via relays. No direct current path should exist between OEM wiring and the installed load that is not filtered by the battery. These recommendations are intended to reduce or eliminate any induced reverse voltage into the OEM circuitry.

Alternator Specifications

2019 F-150

Specs > Electrical

Output (ampere)[1]	200	240
Output (watts)	2700	3240

(1) Actual output is temperature- and application-dependent.

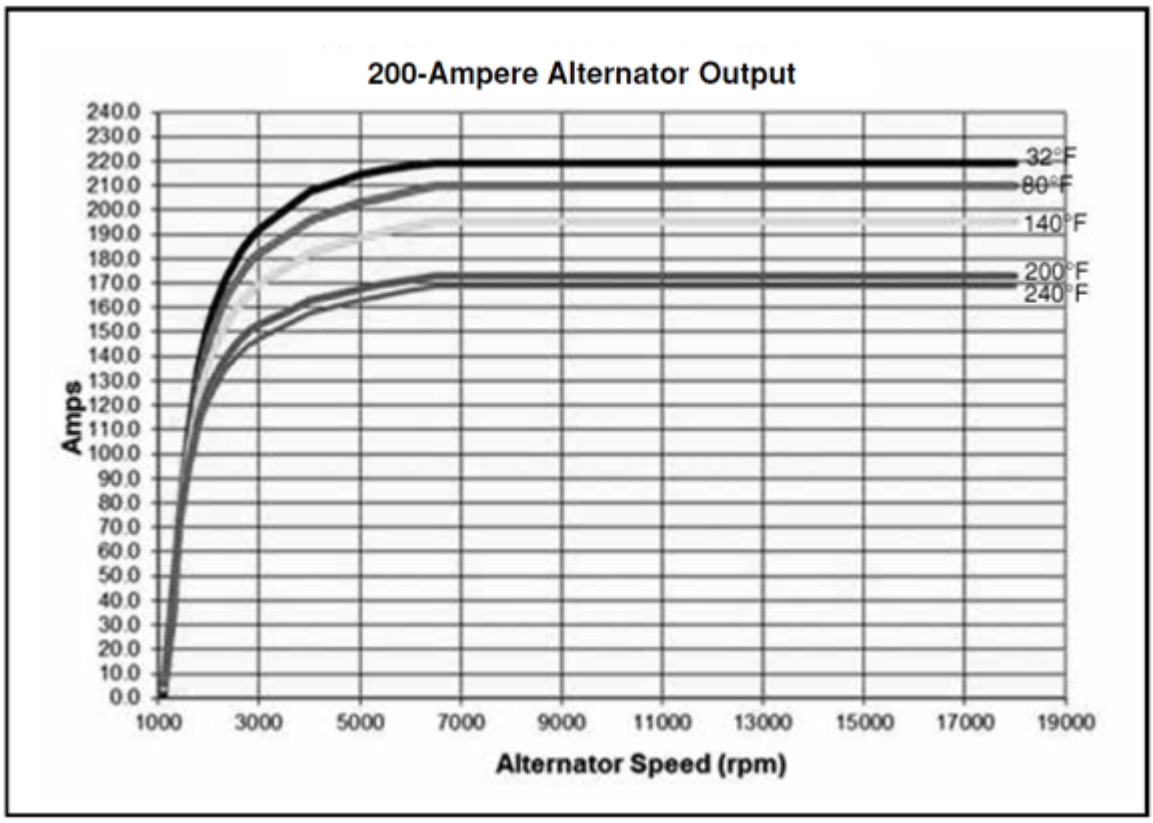
NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

200 Amperes Alternator

2019 F-150

Specs > Electrical > Alternator Performance Curves

Engine	Pulley Ratio	Model Application
2.7L EcoBoost V6, 3.3L V6, 3.5L EcoBoost V6	2.67:1	XL and XLT
5.0L V8	2.81:1	XL and XLT

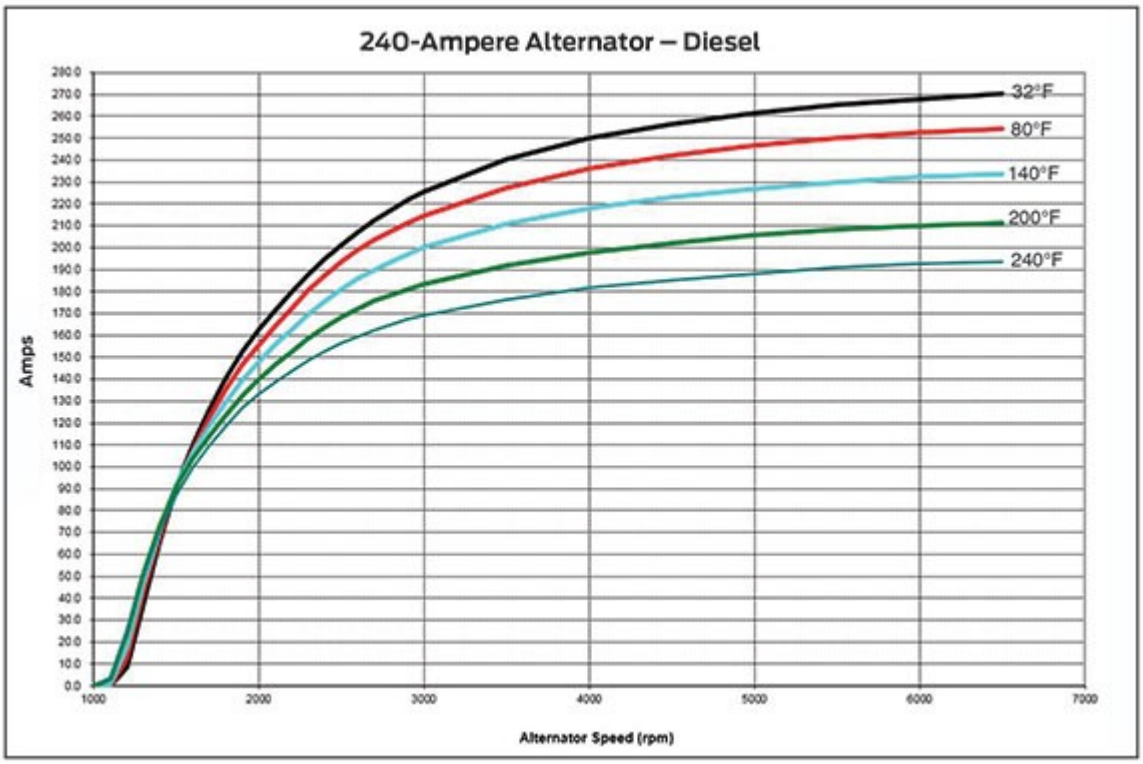


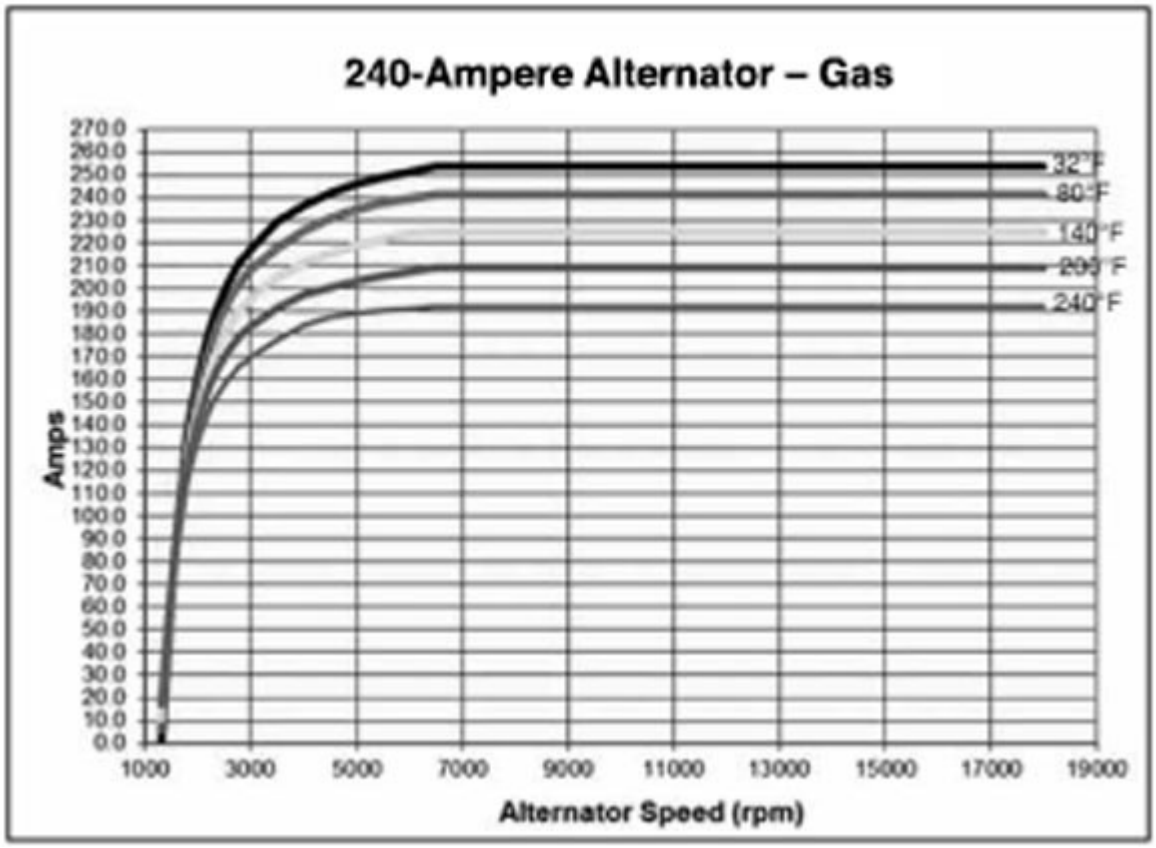
NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

240 Amperes Alternator

2019 F-150

Engine	Pulley Ratio	Model Application
3.0L Power Stroke V6 Turbo Diesel	2.66:1	All models
3.5L EcoBoost V6	2.67:1	Lariat, King Ranch and Platinum
High-output 3.5L EcoBoost V6	2.67:1	Limited
5.0L V8	2.81:1	Lariat, King Ranch and Platinum





NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Battery Applications

2019 F-150

Specs > Electrical

Ampere-Hour Rating	70	80	92
Cold-Cranking Amps at 0°F	760	800	850
2.7L EcoBoost V6	XL/XLT(1)	Lariat(1)	—
3.5L EcoBoost V6	XL/XLT(1)	Lariat/King Ranch/ Platinum/Limited(1)	—
High-output 3.5L EcoBoost V6	—	—	Limited
3.0L Power Stroke V6 Turbo Diesel	—	—	XL(1)/XLT(1)/Lariat/King Ranch/Platinum/(1)
Cold-Cranking Amps at 0°F	610	730	—
3.3L V6	XL/XLT	—	
5.0L V8	XL/XLT	Lariat/King Ranch/ Platinum	

(1) Absorbent Glass Mat (AGM) battery.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Cold Weather Recommendations

2019 F-150

Minimum Temperature	Equipment	
	HD Battery	Engine Block Heater
0°F	Suggested	Not Needed
-10°F	Recommended	Suggested
-20°F	Recommended	Recommended
Below -20°F	Strongly Recommended	Strongly Recommended

DEFINITIONS

Suggested: Helpful, but not needed.

Recommended: Could improve reliability in less-than-ideal conditions.

Strongly Recommended: Will give definite improvement over the standard components.

HD Battery: Higher-capacity battery available. (Usage varies by model.)

Engine Block Heater: Available equipment for all engines. (Usage and heater capacity vary with engine requirements.)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Standard Lighting/Reflector Equipment

2019 F-150

Specs > Electrical

Light Reflector	Application
Headlamps (Halogen)	XL, XLT, Lariat
Headlamps (LED)	King Ranch, Platinum, Limited
Parking Lamps	All Series — Integral with turn signals
Front/Rear Turn Signals	All Series
Front Side Marker Lamps	All Series
Front Side Reflectors	All Series
Rear Side Reflectors	All Series
Rear Side Marker Lamps	All Series — integral with taillamps
License Plate Lamps	All Series
Two Combination Taillamps with Integral Stop, Turn Signal and Backup Lamps and Reflective Surface	All Series
Rear Reflectors	All Series
Front Daytime Running Lamps	All Vehicles Registered in Canada

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Light Specifications and Usage

2019 F-150

Specs > Electrical

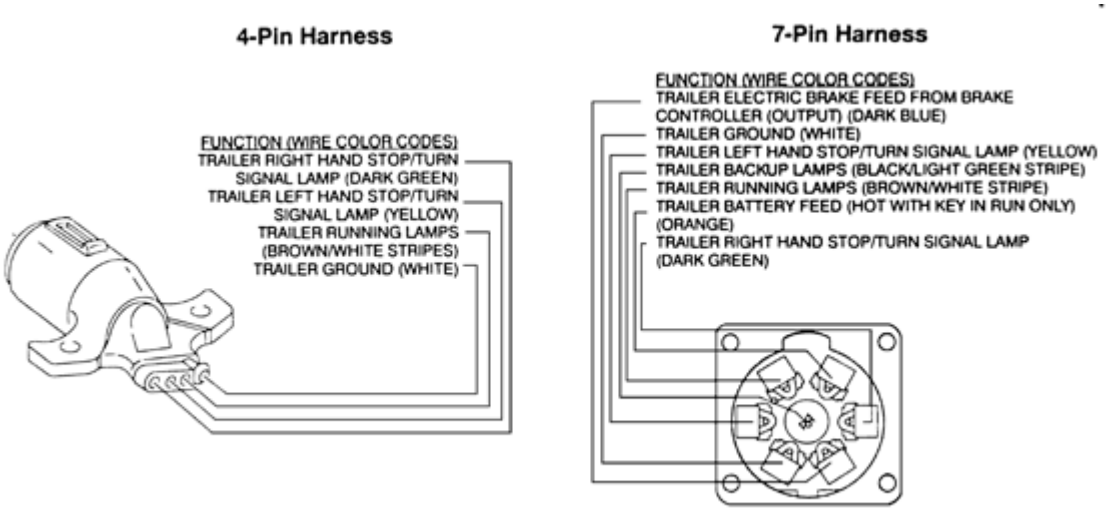
Light	Code	Description	Usage
Cab Marker — (5 lights) Amber	STD	Torpedo, Hella	All Model Series
Daytime Running Lamps	STD	(2) Replaceable bulbs, Halogen	All Vehicles Registered in Canada
Headlamps	STD	(2) Replaceable bulbs, Halogen	All Vehicles Registered in U.S. and Canada

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Trailer Towing Wiring Harness

2019 F-150

Circuit Number	Circuit Description	Color Code
RAT08	Ground	White
CAT17	Parking Lamps	Brown
CAT14	Trailer Battery Feed	Orange
CAT19	To Electric Brakes	Dark Blue
CAT09	RH Turn Signal and Stop Lamps	Dark Green
CAT06	LH Turn Signal and Stop Lamps	Yellow
CAT03/CAT16	Trailer Backup Lamps	Gray with Brown Stripe
CBP30	Front Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Blue Stripe
CBP40	Rear Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Green Stripe
CLS30	Brake Controller Running Lamp Feed/Park Lamp Feed	Violet with White Stripe
CCB08	Vehicle Stop Lamps	Violet with White Stripe
SBB18/SBB17	B+ to Electric Brake Controller	Yellow with Red Stripe


4-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPES)
TRAILER GROUND (WHITE)
7-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER ELECTRIC BRAKE FEED FROM BRAKE CONTROLLER (OUTPUT) (DARK BLUE)
TRAILER GROUND (WHITE)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER BACKUP LAMPS (BLACK/LIGHT GREEN STRIPE)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPE)
TRAILER BATTERY FEED (HOT WITH KEY IN RUN ONLY) (ORANGE)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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